

The listing of the claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Currently Amended): A cleaning, disinfection, and indicator agent containing a water-soluble permanganate, in particular for admixing with an agent for ensuring an alkaline milieu having a pH value of at least 11, ~~characterized in that~~ wherein, in addition to the water-soluble permanganate, it comprises:

- a further oxidizing agent, whose oxidation potential is above that of manganese VII to manganese VI,
- pH buffer substances, preferably primary and/or secondary alkali carbonates such as sodium carbonate and/or sodium hydrogen carbonate, and
- oxidation-resistant polyphosphates.

Claim 2 (Currently Amended): The cleaning, disinfection, and indicator agent according to Claim 1, ~~characterized in that~~ wherein the oxidation potential of the further oxidizing agent is above that of  $\text{HO}_2^-$  to  $\text{OH}^-$ .

Claim 3 (Currently Amended): The cleaning, disinfection, and indicator agent according to Claim 1 ~~or 2, characterized in that~~ wherein the further oxidizing agent is a persulfate, preferably a peroxodisulfate.

Claim 4 (Currently Amended): The cleaning, disinfection, and indicator agent according to Claim 3, ~~characterized in that~~ wherein the peroxodisulfate is sodium peroxodisulfate.

Claim 5 (Currently Amended): The cleaning, disinfection, and indicator agent according to ~~one of Claims 1 through 4~~ claim 1, ~~characterized in that~~ wherein the permanganate is potassium

permanganate.

Claim 6 (Currently Amended): The cleaning, disinfection, and indicator agent according to ~~one of Claims 1 through 5~~ claim 1, ~~characterized in that~~ wherein it contains sodium tripolyphosphate as the oxidation-resistant polyphosphate.

Claim 7 (Currently Amended): The cleaning, disinfection, and indicator agent according to ~~one of Claims 1 through 6~~ claim 1, ~~characterized in that~~ wherein it contains sodium hexametaphosphate as the oxidation-resistant polyphosphate.

Claim 8 (Currently Amended): The cleaning, disinfection, and indicator agent according to ~~one of Claims 1 through 7~~ claim 1, ~~characterized in that~~ wherein it has the following composition:

- 3-5% sodium peroxodisulfate, preferably 4%

- 0.06-0.08% potassium permanganate, preferably 0.07%
- 5-7% sodium tripolyphosphate, preferably 6%
- 9-11% sodium hexametaphosphate, preferably 10%
- 2.0-3.0%, preferably 2.6%, of a mixture of sodium carbonate and sodium hydrogen carbonate, preferably in the ratio 3:1.

Claim 9 (Currently Amended): A method for cleaning, disinfecting, and monitoring the cleanliness of commercial and industrial plants or plant components, ~~characterized in that~~ wherein in a first step, a cleaning, disinfection, and indicator agent comprising

- a water-soluble permanganate,
- a further oxidizing agent, whose oxidation potential is above that of manganese VII to manganese VI,
- pH buffer substances, preferably primary and/or secondary alkali carbonates such as sodium carbonate and/or sodium hydrogen carbonate, as well as

- oxidation-resistant polyphosphates

is combined in aqueous solution with an agent for ensuring an alkaline milieu having a pH value of at least 11, preferably at least 12, in a second step, the solution thus obtained is circulated through the plants or plant components to be cleaned and/or disinfected and the cleaning progress is tracked by ascertaining the intensity of the light emitted in the violet wavelength range by the solution.

Claim 10 (Currently Amended): The method according to Claim 9, ~~characterized in that~~ wherein the cleaning progress is additionally tracked by ascertaining the intensity of the light emitted in the green and yellow wavelength ranges by the solution.

Claim 11 (Currently Amended): A method for cleaning, disinfecting, and monitoring the cleanliness of commercial and industrial plants or plant components, in which an aqueous solution

having a pH value of at least 11, preferably at least 12, is circulated through the plants or plant components to be cleaned and/or disinfected, ~~characterized in that~~ wherein during the circulation, a cleaning, disinfection, and indicator agent comprising

- a water-soluble permanganate,
- a further oxidizing agent, whose oxidation potential is above that of manganese VII to manganese VI,
- pH buffer substances, preferably primary and/or secondary alkali carbonates such as sodium carbonate and/or sodium hydrogen carbonate, as well as
- oxidation-resistant polyphosphates

is admixed and the cleaning progress is tracked by ascertaining the intensity of the light emitted in the violet wavelength range by the admixed cleaning, disinfection, and indicator agent.

Claim 12 (Currently Amended): The method according to Claim

11, ~~characterized in that~~ wherein the cleaning progress is additionally tracked by ascertaining the intensity of the light emitted in the green and/or yellow wavelength ranges by the admixed cleaning, disinfection, and indicator agent.

Claim 13 (Currently Amended): The method according to ~~one of Claims 9 to 12~~ claim 9, ~~characterized in that~~ wherein the cleaning, disinfection, and indicator agent has the following composition:

- 3-5% sodium peroxodisulfate, preferably 4%
- 0.06-0.08% potassium permanganate, preferably 0.07%
- 5-7% sodium tripolyphosphate, preferably 6%
- 9-11% sodium hexametaphosphate, preferably 10%
- 2.0-3.0%, preferably 2.6%, of a mixture of sodium carbonate and sodium hydrogen carbonate, preferably in the ratio 3:1.

Claim 14 (Currently Amended): The method according to ~~one of~~  
~~Claims 9 to 13~~ claim 9, ~~characterized in that~~ wherein the light  
intensity is ascertained automatically.

Claim 15 (Currently Amended): The method according to ~~one of~~  
~~Claims 9 to 14~~ claim 9, ~~characterized in that~~ wherein the removed  
contaminant load is calculated from the intensity change of the  
light emitted and the quantity of the cleaning, disinfection, and  
indicator agent used.

Claim 16 (Original): A use of a solution made of a cleaning,  
disinfection, and indicator agent comprising

- a water-soluble permanganate,
- a further oxidizing agent, whose oxidation potential is  
above that of manganese VII to manganese VI,
- pH buffer substances, preferably primary and/or secondary  
alkali carbonates such as sodium carbonate and/or sodium  
hydrogen carbonate, as well as

- oxidation-resistant polyphosphates

and an agent for ensuring an alkaline milieu having a pH value of at least 11, preferably at least 12, as an indicator solution for ascertaining the cleanliness of commercial and industrial plants or plant components by ascertaining the intensity of the light emitted in the violet wavelength range by the solution.

Claim 17 (Original): The use of a solution according to Claim 16 as an indicator solution for ascertaining the cleanliness of commercial and industrial plants or plant components by ascertaining the intensity of the light emitted in the green and/or yellow wavelength ranges by the solution.